Superseding Radiotron 1J6-G Data Sheet issued December, 1940

1J6-G

RADIOTRON

1J6-G

CLASS B TWIN AMPLIFIER

Filament	Coated	
Voltage	2.0	d-c volts
Current	0.24	amp.
Maximum Overall Length		4-1/8"
Maximum Seated Height		3-9/16" ←
Maximum Diameter		1-9/16"
Bulb		ST-12
Mounting Position		◊Vertical, Base Down
Base		Small Shell Octal 8-Pin

Pin 1-No Connection
Pin 2-Filament +
Pin 3-Plate (T_2)
Pin 4-Grid (T_2)



Pin 5-Grid (T_1)
Pin 6-Plate (T_1)
Pin 7-Filament −
Pin 8-No Connection

BOTTOM VIEW (G-7AB) ←

(for convenience, one triode unit is identified as T_1, the other as T_2)

Maximum Ratings are Design-Centre Values. ←

CLASS B (AUDIO FREQUENCY) POWER AMPLIFIER. ←

Plate Voltage	135	max.	volts
Peak Plate Current (per plate)	50	max.	mA.

Typical Operation:

Filament Voltage	2.0	2.0	2.0	2.0	d-c volts
Plate Voltage	135	135	135	135	volts
Grid Voltage	-4.5	-4.5	-4.5	0	volts
Zero-Sig. Plate Cur. (total)	1.4	1.4	1.4	10	mA.
Max. Sig. Plate Cur. (total)	13.8	18.0	24.5	-	mA.
Effective Load Res. (plate to plate)	20000	15000	10000	10000	ohms
Peak A-F Grid-to-Grid Voltage	42	60	66	-	volts
Average Power Input*	38#	90	120	170 approx.	mW.
Power Output	1.0	1.25	1.6	2.1 approx.	watts

R-F POWER AMPLIFIER AND OSCILLATOR - CLASS C. ←

Maximum Ratings on Request.

◊ Horizontal operation permitted if pins 1 and 4 are in vertical plane.

* Applied between grids to give indicated value of power output.

One type 1K5-G, connected as a triode, may be used as a driver under the following conditions:- Plate volts 135, grid volts -4.5, plate current 3.5 mA., driver transformer ratio 2.2:1 primary to half-secondary.

← Indicates a change.

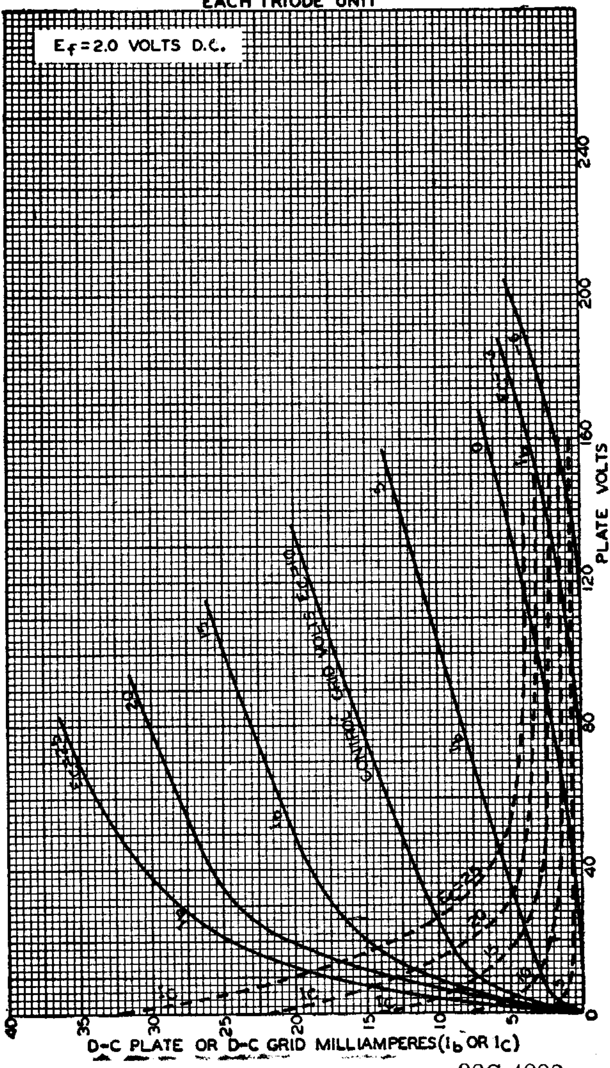
AMALGAMATED WIRELESS VALVE CO. PTY. LTD.
DECEMBER, 1944 SYDNEY, AUSTRALIA

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AVERAGE PLATE CHARACTERISTICS
EACH TRIODE UNIT



92C-4882